

slides elsewhere in map area; primarily areas underlain by claystone, mudstone and shale

associated with other rock types. Rock weathers

susceptible to sliding. Includes coves (U-shaped,

shallow valleys) containing thick layers of clayey

Map areas in which no patterns or symbols are shown;

rapidly on exposure forming clayey soil highly

soil that are very susceptible to sliding where

excavation breaks continuity of slope and where

primarily valley floors, ridge tops and broad

The first six digits of the open file number designate the specific 1:250,000 scale map sheet of which this quadrangle is a part. The last two digits designate the position of the quadrangle in a subdivision of the 1:250,000 scale map based on rows and tiers shown in the diagram to the right. The location of this quadrangle is shown by the black square.

benches; modification by excavation and fill may

overloaded by artificial fill.

AREAS LEAST PRONE TO LANDSLIDES

lead to local landslides.

Gravel pits

site of gravel pit

earth flow in fill

CHATTANOOGA 1° X 2° SHEET

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

earth flow in strip castings

earth flow in coal refuse

Slides in man-made features

Valley wall along major streams with slope as steep as 40 (85%); stony, clayey silt soil up to 50 ft. (15 m) thick; commonly buttressed by a terrace or bench at the toe of the slope; very susceptible to sliding by cutting of toe area, removal of terrace or bench, and overloading; slide commonly activated without apparent cause.

Area of recent and old slides in which

individual slides are not identified.

COMBINATION LANDSLIDE

COLLUVIAL SLOPE

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